IN THE CLAIMS

The pending claims are presented below.

1.(Currently Amended) A medical system architecture, comprising:

a modality for acquiring medical images,

an image processor constructed and operable to process the medical images, said image
    processor including a digital image system with a computer that works according to a
    standard for object linking and embedding method for data exchange between various
    application programs with graphical control elements and a standard for object linking
    and embedding custom controls, wherein a standard for object linking and embedding
    custom controls software component is allocated to every individual process limited
    by address space boundaries,

a remote control component for expanding the standard for object linking and embedding
    custom controls software components for asynchronous communication so that
    devices and processes can be remote controlled without any limitations caused by
    address space or computer boundaries,

a single [[an]] application including three tiers, said three tiers including a view tier and a
    controller tier and at least one modeling tier, and

image transmission apparatus connected to transmit the medical images.

2. (Previously Presented) A medical system architecture according to claim 1,
wherein said remote control component is an automation object communication interface.

3. (Previously Presented) A medical system architecture according to claim 2,
wherein the remote control component operates according to an automation object
communication standard.

4. (Previously Presented)   A medical system architecture according to claim 1,
wherein the remote control component is an automated object interface component.

5. (Previously Presented)   A medical system architecture according to claim 1,
wherein the remote control component ensues with software-IC connections.

6.(Previously Presented) A medical system architecture according to claim 1, wherein the remote control component operates according to the ATOMIC (Asynchronous Transport Optimizing observer-pattern-like system supporting several Modes for an Interface definition-less language Communication) system.

7. (Original) A medical system architecture according to claim 5, wherein the remote control component is a connectable/remote interface component.

8. (Original) A medical system architecture according to claim 6,   wherein the remote control component is a connectable/remote interface component.

9. (Previously Presented) A medical system architecture according to claim 1, wherein said image transmission apparatus uses for data exchange the standard for object linking and embedding.

Claim 10. (Cancelled)

11. (Original) A medical system architecture according to claim 1, further comprising:
means for use of software component technology for producing components for graphic user
interfaces contained within a process.

12. (Original) A medical system architecture according to claim 1, further comprising:
means for combining software component technology with standard for object linking and
embedding Automation for distributed propagation of an event within a control level
and between the control levels.

13. (Original) A medical system architecture according to claim 1, further comprising:
means for combining software component technology with software-IC connections for the
distributed propagation of an event within a control level and between the control
levels.

14. (Previously Presented) A medical system architecture as claimed in claim 1, wherein each of said three tiers are contained in different processes.

15. (Previously Presented) A medical system architecture as claimed in claim 1, wherein said view and control tiers are in one process and said model tier is in another process.

16. (Previously Presented) A medical system architecture as claimed in claim 1, wherein said model and control tiers are in one process and said view tier is in another process.

17. (Previously Presented) A medical system architecture as claimed in claim 1, wherein said view and control and model tiers are in one process.